

09/508692
EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

410 Rec'd PCT/PTO 29 MAR 2000

PUBLICATION NUMBER : 09074016
PUBLICATION DATE : 18-03-97

APPLICATION DATE : 05-09-95
APPLICATION NUMBER : 07263423

APPLICANT : RES INST ELECTRIC MAGNETIC ALLOYS;

INVENTOR : MASUMOTO TAKESHI;

INT.CL. : H01F 10/16 H01F 17/04 H01F 19/00

TITLE : MAGNETIC THIN FILM WITH REDUCED HIGH-FREQUENCY LOSS

ABSTRACT : PROBLEM TO BE SOLVED: To provide a low-loss magnetic thin film which is a multilayer film of a high saturation magnetic flux density constituted of magnetic thin films and insulating thin films and which has a small loss at a high-frequency region.

SOLUTION: A low-loss magnetic film is a multilayer magnetic thin film which is made by stacking magnetic thin films and insulating thin films alternately and a high-frequency device is the one which uses this thin film. In such a low-loss magnetic thin film, an effective value of a real part of a complex magnetic permeability is 450 or above and the ratio of the real part to an imaginary part is 50 or above at 100MHz and 20 or above at 200MHz.

COPYRIGHT: (C) JPO